## INTERNATIONAL SEARCH REPORT

Ional Application No 'IB2004/050432

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04S5/00 G10L G10L19/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO4S G10L HO4R Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, IBM-TDB, INSPEC, COMPENDEX C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category 9 Citation of document, with indication, where appropriate, of the relevant passages X US 4 039 755 A (BERKOVITZ ROBERT A) 1-7 10-12, 2 August 1977 (1977-08-02) 17,18 abstract; figures 6,8 8,9, Α 13-16 US 3 992 582 A (OSAKABE YOSHIO) 1-3,7, X 17,18 16 November 1976 (1976-11-16) column 3, line 3 - line 38; figure 1 EP 1 024 679 A (BOSCH GMBH ROBERT) 1 - 18Α 2 August 2000 (2000-08-02) paragraph '0034! - paragraph '0043!; figures 5.6 US 4 308 424 A (BICE JR ROBERT G) 1,13-18Α 29 December 1981 (1981-12-29) figures 1,4 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 02/08/2004 14 July 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016

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